

Title (en)

SYSTEM AND METHOD FOR SEQUENTIAL IMAGE ANALYSIS OF AN IN VIVO IMAGE STREAM

Title (de)

SYSTEM UND VERFAHREN ZUR SEQUENZIELLEN BILDANALYSE EINES IN-VIVO-BILDSTROMS

Title (fr)

SYSTÈME ET PROCÉDÉ PERMETTANT UNE ANALYSE SÉQUENTIELLE D'IMAGES D'UN FLUX D'IMAGES IN VIVO

Publication

EP 3140782 A2 20170315 (EN)

Application

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Priority

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- IL 2015050463 W 20150504

Abstract (en)

[origin: WO2015170319A2] A system and method for segmenting an image stream to a plurality of segments is provided. A processing unit may be configured to calculate a set of pixel-based properties for frames of an image stream, and detect segments of constant mean values in the sets of pixel-based properties. The segments of constant mean values are detected by using a window method that determines possible partition points of the window, and calculating a difference between mean values of the sets of pixel-based properties for each sub-window of frames. Points of change may be identified in the calculated difference between mean values of the sets of pixel-based properties. A display unit may display a summarized representation of the image stream, wherein the summarized representation includes a plurality of segments, each segment corresponding to a segment of constant mean values in the sets of pixel-based properties.

IPC 8 full level

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